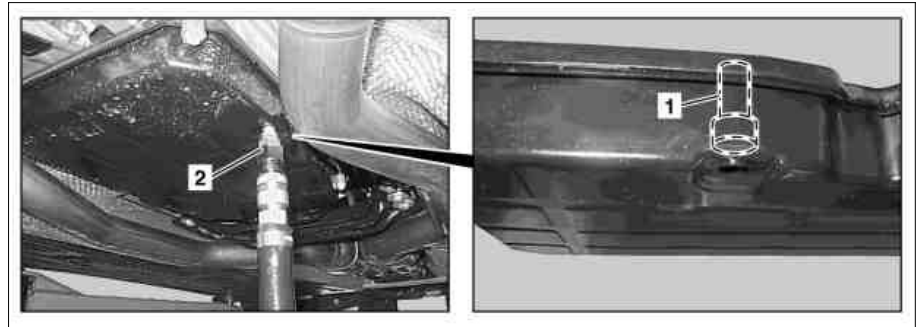
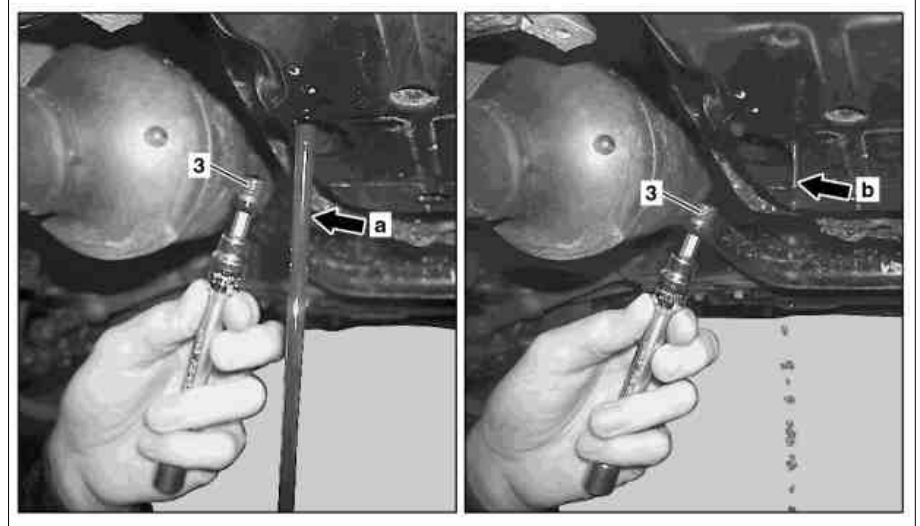


- 1 Overflow pipe
2 Adapter



P27.00-2165-04

- 3 Oil drain screw
a Constant oil flow for excessively large oil filling capacity and at start of oil adjustment
b Correct oil filling capacity after draining off excess quantity


















P27.00-2330-05

Modification notes

3.4.09	Entry picture changed		
--------	-----------------------	--	--

	Adding transmission oil		
⚠ Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
⚠ Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
		i The transmission must be filled with transmission oil before starting the engine	
1	Raise vehicle	i The vehicle must be situated on the lifting platform so that it is level in both the longitudinal and transverse axes.	
2	Check the transmission oil pan for damage and leaktightness		
3	Remove rear engine crossmember	Model 216, 221 Model 204	AR22.10-P-1180SW AR22.10-P-1180CW
4	Lower transmission/transfer case at rear		
5	Prefill transfer case with transmission oil	i Remove the oil filler screw from the transfer case, pour the prefill quantity (700 ml) into the transfer case and screw in a new oil filler screw. Nm S	*BA28.10-P-1005-01E *210589007100
6	Install rear engine crossmember	Model 216, 221 Model 204	AR22.10-P-1180SW AR22.10-P-1180CW AH00.00-P-0007-01SF
ⓘ	Notes on bolted connections with self tapping screws		

7	Remove oil drain screw (3) on transmission, mount adapter (2) and connect oil dispenser	<p> The adapter (2) and oil dispenser can be obtained from two manufacturers: Adapter gotis://S_18.2_04.2 Oil dispenser gotis://S_18.2_04.1</p>	
8	Pump 6 liters of transmission oil into transmission	<p> In order to avoid damage to the transmission, always consult the Specifications for Operating Fluids.  On transmissions which have been repaired the quantity of transmission oil drained +0.5 liters should be poured in. </p>	*BF27.00-P-1001-01C
9	Start engine		
10	Call up the transmission fluid temperature using STAR DIAGNOSIS Connect STAR DIAGNOSIS		AD00.00-P-2000-04A
11.1	Bring transmission oil temperature to <u>90°C/194°F</u>	<p>Vehicles with additional transmission oil cooler  Only with previous removal/replacement of additional transmission oil cooler.  Thermostat opens at <u>90°C/194°F</u>  Engine speed 2500 rpm, selector lever in position "P".</p>	
11.2	Bring transmission oil temperature to <u>45°C/113°F</u>	Vehicles without additional transmission oil cooler	
12.1	Switch off engine and allow transmission oil to cool down	<p>Vehicles with additional transmission oil cooler  Only with previous removal/replacement of additional transmission oil cooler.</p>	
12.2	Turn off engine	Vehicles without additional transmission oil cooler	
13	Call up the transmission fluid temperature using STAR DIAGNOSIS	<p> Transmission oil temperature <u>45 °C/113 °F</u>. The transmission oil temperature must not exceed the specified value as the overflow pipe (1) in the transmission oil pan is designed for the transmission oil temperature.</p>	
14	Start engine and allow to run in selector lever position "P"		
15	Pump transmission oil using oil dispenser into transmission	<p> After replacing the transmission and torque converter : Refill 4 liters of transmission oil.  If the torque converter has not been emptied: Refill 2 liters of transmission oil.</p>	
	Correct transmission fluid level		
16	Shift through "P-R-N-D" several times with the vehicle stationary and the engine idling		
17	Allow engine to idle in selector lever position "P"		
18	Call up the transmission fluid temperature using STAR DIAGNOSIS	<p> Transmission oil temperature <u>45 °C/113 °F</u>. The transmission oil temperature must not exceed the specified value as the overflow pipe (1) in the transmission oil pan is designed for the transmission oil temperature.</p>	
19	Remove the adapter (2)		
20	Drain off constant oil flow (arrow a) at specified transmission oil temperature, until only drops come out (refer to correct oil filling capacity (arrow b))	<p> Transmission oil temperature <u>45 °C/113 °F</u>. The engine must run at idle speed and the transmission oil temperature must not be above the specified transmission oil temperature, too much transmission oil is drained at a higher transmission oil temperature.  If the oil flow is not constant after opening the drain screw, the transmission oil level has to be corrected (as of operation step 15) and then adjust it again.</p>	
21	Replace sealing ring and screw in oil drain screw (3)		*BA27.10-P-1001-03A
22	Turn off engine		

Nm Oil pan, automatic transmission

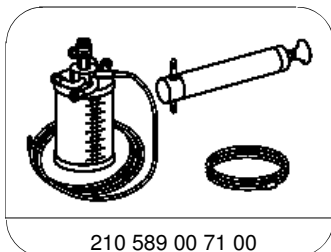
Number	Designation		Transmission 722.9
BA27.10-P-1001-03A	Oil drain screw to oil pan	Nm	22

Nm Transfer case complete

Number	Designation		Transmission 722.96
BA28.10-P-1005-01E	Oil filler screw to intermediate housing	Nm	20

Automatic transmission

Number	Designation		Transmission 722.9 except 722.93/960/961/ 962/963/964/ 965/966	Transmission 722.960/961/ 962/963/964/ 965/966	
BF27.00-P-1001-01C	Filling capacity	Initial charge	Liters	9	9,7
		during oil change	Liters	-	-
	Specifications for Operating Fluids		Sheet	BB00.40-P-0236-14A	BB00.40-P-0236-14A
			Sheet	-	-



210 589 00 71 00

Hand pump